US ENVIRONMENTAL PROTECTION AGENCY
SCIENCE ADVISORY BOARD (SAB)
COMPUTATIONAL TOXICOLOGY FRAMEWORK CONSULTATION PANEL (CTF)
FINAL AGENDA

Meeting Location: Marriott DC at Metro Center, 775 12th Street, NW, Washington, DC

Friday, September 12, 2003

9:00 am	Introductory Remarks and Welcome a. Welcome and Introduction of CTF Members and Guests b. Committee Administration	Dr. James Rowe, Designated Federal Officer SAB Staff Office
	Remarks by the SAB Staff Office Director	Dr. Vanessa Vu, Director, SAB Staff Office
	Introduction of the Topic	Dr. George Lucier, Chair, CTF
9:20	Background and Purpose for Computational Toxicology Research Framework	Dr. Larry Reiter, Director, NHEERL Dr. Robert Kavlock, Director, Reproductive Toxicology Division, NHEERL
9:50	Discussion of Science Areas Relevant to Computational Toxicology/Charge Questions: a. Biological Modeling/Systems Biology: Dr. Andersen* b. Mathematical Biology/Mathematical Chemistry: Dr. Wilson c. Genomics/Metabonomics: Dr. Merrick d. Computational Biology: Dr. Worth e. Dose Metrics: Dr. Weisel f. Human Risk Assessment: Dr. Balbus g. Ecological Risk Assessment: Dr. Pittinger h. Endocrine Disruptors/Proof of Concept: Dr. Cagen	Dr. George Lucier, Chair, CTF Panel Discussants
10:30	BREAK	

10:45	Discussion (continued)	Dr. George Lucier Chair, CTF Panel Discussants
12:00 pm	LUNCH	
1:15	Discussion (continued)	Dr. George Lucier, Chair, CTF Panel Discussants
3:00	BREAK	
3:15	Summation of Panel Recommendations for the Framework	Dr. George Lucier, Chair, CTF
4:00	ADJOURN	

(* Lead discussant)

Charge Questions for Computational Toxicology Framework Consultation

EPA seeks comment that will assist the Agency in the development of more detailed research plans. The Office of Research and Development is beginning to establish an research program in the area of computational toxicology and has developed a Framework document to guide that process. The Agency invites comment on all technical aspects of the research approaches and activities within the Framework and how the Framework might be improved. The following questions are provided to assist the panel in conducting the consultation. Comments are invited on all areas of the Framework including areas that are not addressed in the questions.

Charge Question 1. Please comment on the soundness of the general organizing principles contained in the "Framework for a Computational Toxicology Research Program in ORD," including the goals of the computational toxicology program, the research needs and applications of computational toxicology, the current activities, and the proposed next steps.

Charge Question 2. The scope of the program (Section II) has been developed along the key activities of improving the linkages in the Source-to-Outcome Continuum, providing predictive models for hazard identification, and enhancing quantitative risk assessment. Does the panel agree that these are the major issues of concern for improving the Agency's scientific assessments of pollutants on human health and the environment, and that the needs have been clearly articulated in terms of the benefits of a computational toxicology approach? Does the Framework capture the key scientific uncertainties that need to be addressed in computational toxicology?

Charge Question 3. Please provide specific recommendations, where appropriate, for addressing issues that are not captured by the Framework.

Charge Question 4. Can the Science Advisory Board suggest priorities within the research needs and applications of computational toxicology to environmental problems?

Charge Question 5. Establishment of an effective research program will require partnerships with outside organizations. Some of the current activities are listed in the Section III.C. Please comment on whether sufficient measures are being taken to involve the larger scientific community and the public.

Charge Question 6. The process for developing the program in computational toxicology in ORD is outlined in Section I. Please comment on whether the proposed next steps allow for the scientific issues to be addressed adequately in a timely fashion.

Charge Question 7. Please comment on whether there are any additional actions, within the context of computational toxicology as defined in the Framework that could improve the Agency's scientific assessments of chemical hazards to human health and the environment.